



## Factoring Trinomials: $ax^2 + bx + c$

$$2x^2 - 5x - 3 = (2x + 1)(x - 3)$$

Factor, write prime if prime.

1.  $2x^2 - 5x - 3$

11.  $2n^2 - 3n - 14$

2.  $3x^2 + 10x - 8$

12.  $5n^2 + 2n + 7$

3.  $2y^2 + 15y + 7$

13.  $10x^2 + 13x - 30$

4.  $7a^2 - 11a + 4$

14.  $12y^2 + 7y + 1$

5.  $5n^2 + 17n + 6$

15.  $2n^2 + 9n - 5$

6.  $4y^2 + 8y + 3$

16.  $2x^2 + 7x + 6$

7.  $3x^2 + 4x - 7$

17.  $5a^2 - 42a - 27$

8.  $2x^2 + 13x + 15$

18.  $15x^2 - 28x - 32$

9.  $9y^2 + 6y - 8$

19.  $8a^2 - 10a + 3$

10.  $6x^2 - 7x - 20$

20.  $2y^2 - 3y - 20$